



HOMEOWNERS ASSOCIATION MAINTENANCE FOR SUBDIVISION DRAINAGE SYSTEMS



STORMWATER MANAGEMENT COMMISSION

Welcome
Mike Warner, P.E., CFM
Executive Director

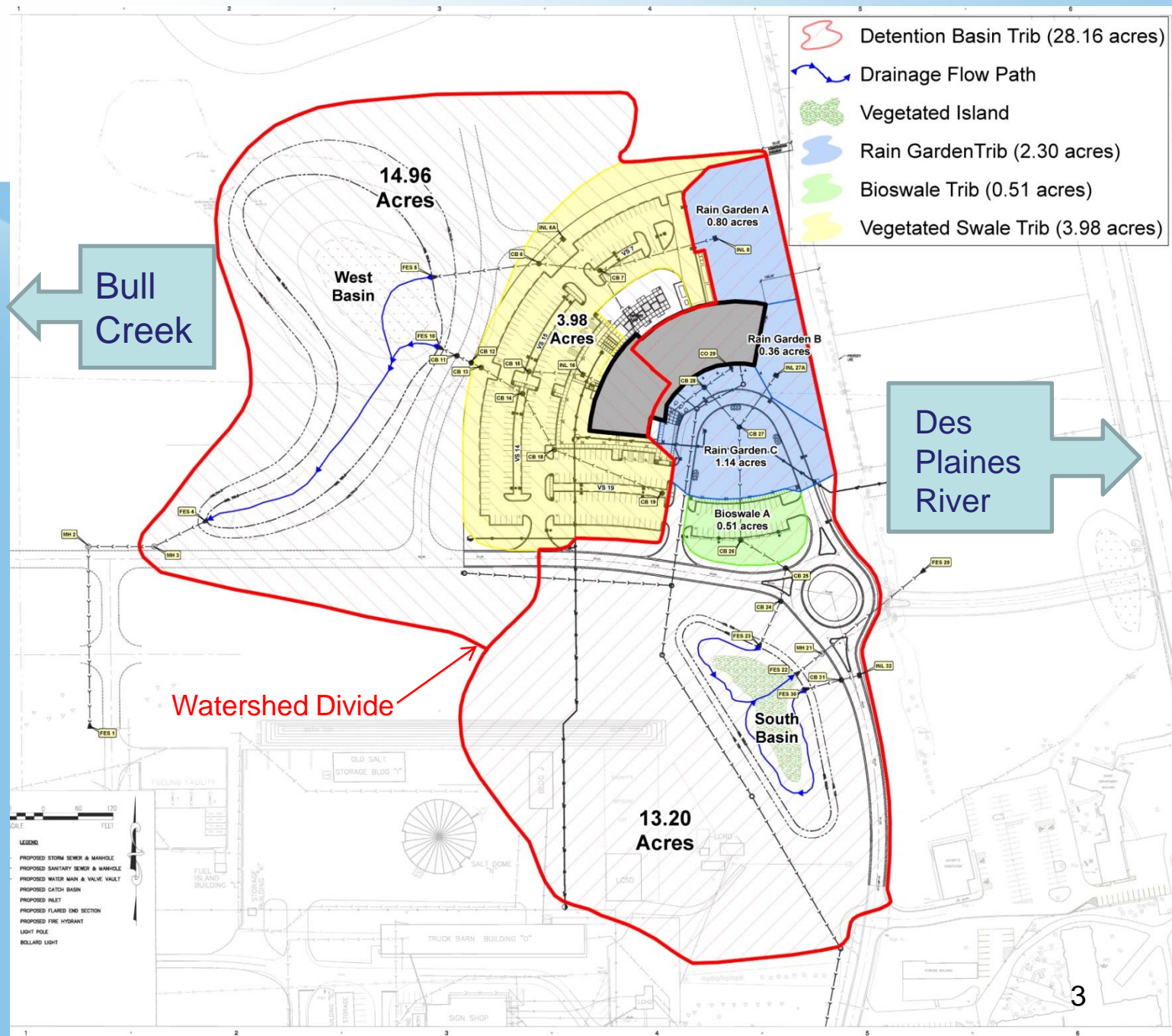
LAKE COUNTY CENTRAL PERMIT FACILITY SITE

Best Management Practices (BMPs)





About the Site





Green Roof

Green roof reduces rooftop runoff

- Total area: 8,000 SQ FT;
- Planted area: 6000 SQ FT - Plants: ~1,700

Maintenance Needs – Weeding!

- Dead plant removal
- Trimming





Three Rain Gardens

Rain gardens capture runoff from the rooftop, the front circle drive and rear parking lot

Total area: 42,000 SQ FT

Plants: 24,000 plugs; 100 shrubs



Maintenance Needs

- Invasives Weeding
- Controlled Burns
- Supplemental Plantings



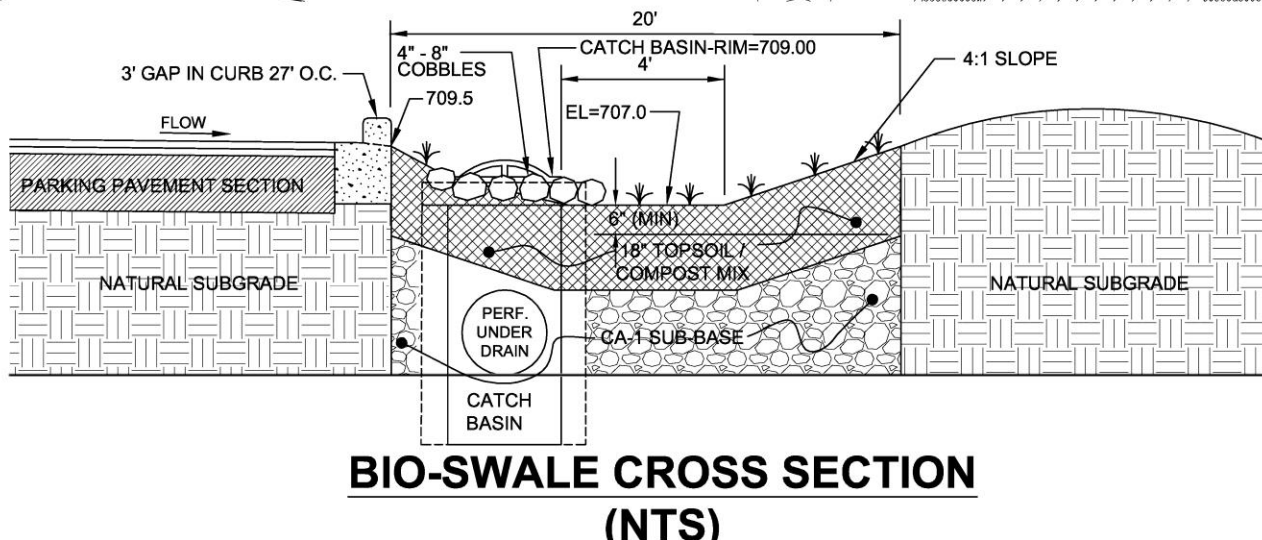
Bio-infiltration Swale

The bio-infiltration swale captures runoff from the visitor parking lot

- Total area: 4,800 SQ FT
- Plants: 2,250 plugs

Maintenance Needs

- Supplemental Plantings (salt die-off)





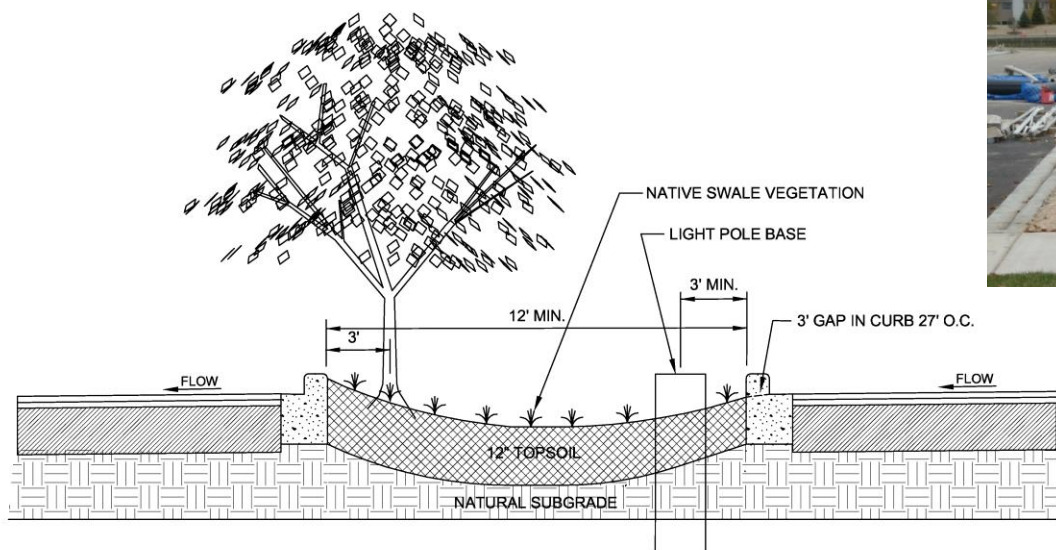
Native Plant Swales

Vegetated swales capture runoff from the parking lots

- Total area: 27,000 SQ FT
- Plants: Swale seed mix

Maintenance Needs

- Soil Replacement
- Supplemental Planting



INNER ISLAND VEGETATIVE SWALE CROSS SECTION

(NTS)

Wetland Detention



Wetland Basins are the last site BMP in the infiltration and filtration system.

Runoff: South basin captures 40% west basin captures 60% of the site

Normal water area: 3.4 acres, 60,000 plants in Deep Marsh

Maintenance needs

- **Cattail Management**
- **Edge Burns**
- **Supplemental Plugs**
- **Outlet Cleanout!**





Questions?

500 W. Winchester Road, Libertyville, IL 60048

<http://www.lakecountyil.gov/stormwater/>

Phone: (847) 377-7700

Thank You!